CALL TOLL FREE **1-866-756-5931**

FRTS Food Texture Analyzer/Tester

FRTS Capacity: 1 lbf, 11 lbf, 22 lbf

FRTS performs a variety of food tests

1. Two bite test (texture profile analysis)
2. Compress a specific displacement
3. Compress to a specific force value
4. Compress to a specific sample height

Standard Features

- Touch screen operation programs force, displacement, speed and triggers
- Speed: 0.1mm – 10.0mm/sec
- USB output to flash drives or computer
- Easy to clean stainless steel
- USB cable, 50mm and 100mm shafts, disk, conical, sphere and wedge probes, and Force Recorder software included

The FRTS food texture analyzer/tester features a touch screen and automatically tests food and non-food samples. Select from a list of foods or food standards. Use programmable mode to customize force, speed and displacement and save up to six frequently used tests. FRTS also operates in manual mode.
Select one or two cycle tests. Record the compression or compression and return. Perform two bite tests, compress to a specific displacement, specific force value, or specific sample height.

Force Data Analysis Tools

Test data can be saved to USB flash drives or output to a computer for analysis by Force Recorder (ZT-RP). Force Recorder captures 1,000 data/second, plots a force vs. time graph and calculates hardness, viscosity, cohesiveness, adhesiveness, springiness, gumminess, fracturability and chewiness.

SPECIFICATIONS

Model	FRTS-1	FRTS-11	FRTS-22
Capacity	5.000N	50.00N	100.0N
Accuracy	Force: ±0.2%F.S, ±1digit; Displacement: 0.1mm, ±1digit		
Units (selectable)	Force: N / kgf (g) / lbf (ozf) Displacement: mm / inch		
Indication	Force 4-digit; Displacement 0.001mm (minimum resolution)		
Sample height	70mm (*1)		
Table travel distance	Max.100mm		

Speed	0.1 to 10.0mm/sec
Functions	Food/Standard(*2), Manual mode, Programmable mode: Two bite test (texture profile analysis), Compress to a specific displacement, force value or sample height Save up to 6 test conditions, Start-trigger function, Overload prevention (*3)
Output USB	USB flash drive
Operating environment	Temperature: 0° – 40° Celsius, Humidity: 20 – 80 %RH
Weight	Body: 7.7kg; Controller: 0.8kg
Dimensions	185 x 300 x 400 mm (body)
Voltage	AC100V; 5 20mm glass time-lag fuse (125V 3A)

*1 Maximum distance from the table surface to where an attachment is mounte

*2 A PC is required to comply with some standards

*3 Overload is not preventable in all cases

DIMENSIONS

FRTS Food Texture Tester/Analyzer Dimensions